T08050 "T5E25860

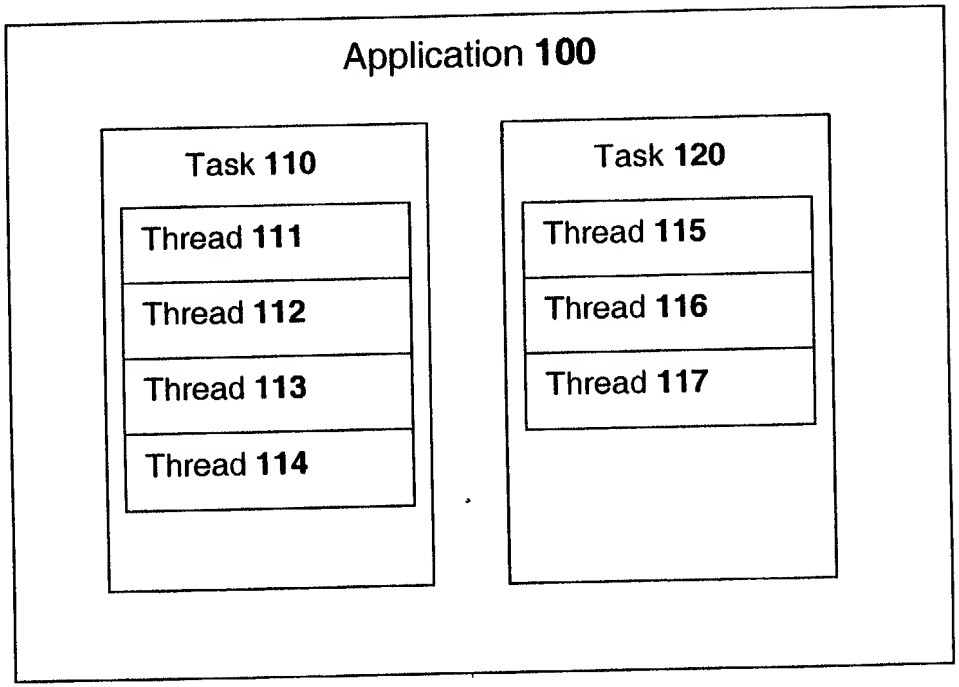

FIG. 1

T08050 "1SE25860

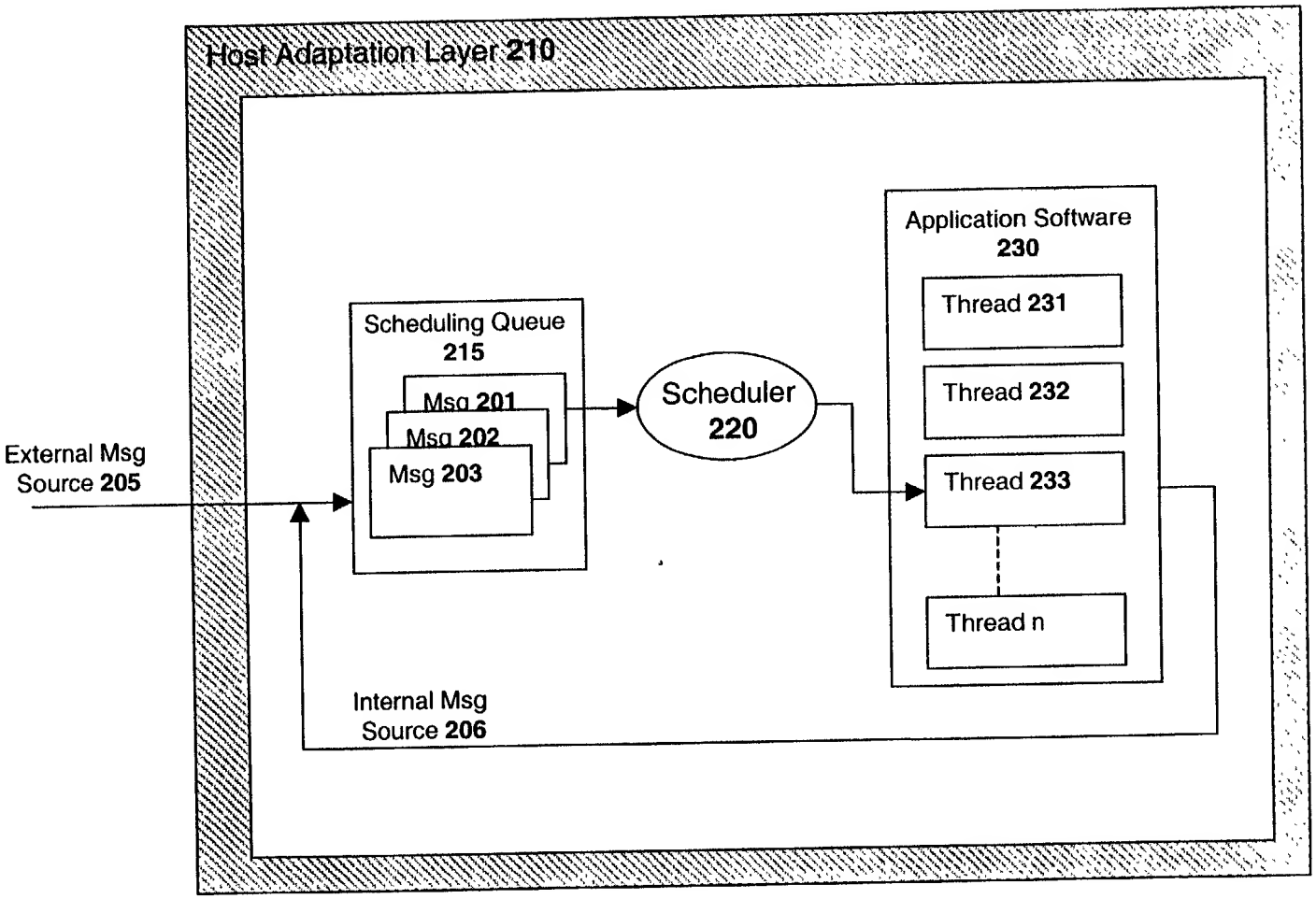

FIG. 2

20030930 15:25:30

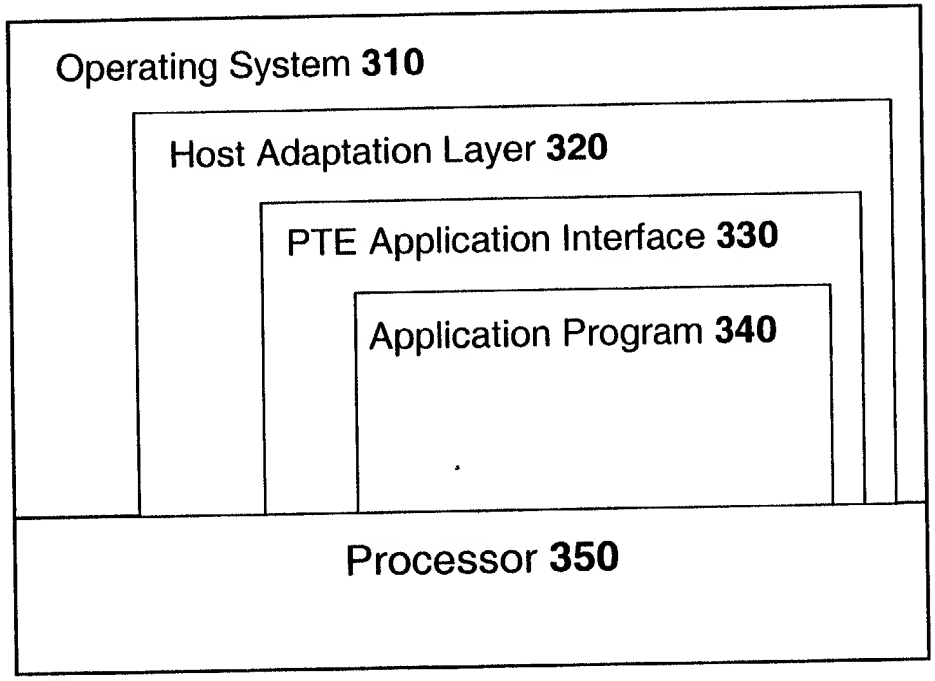

FIG. 3

T08050 "T9E25860

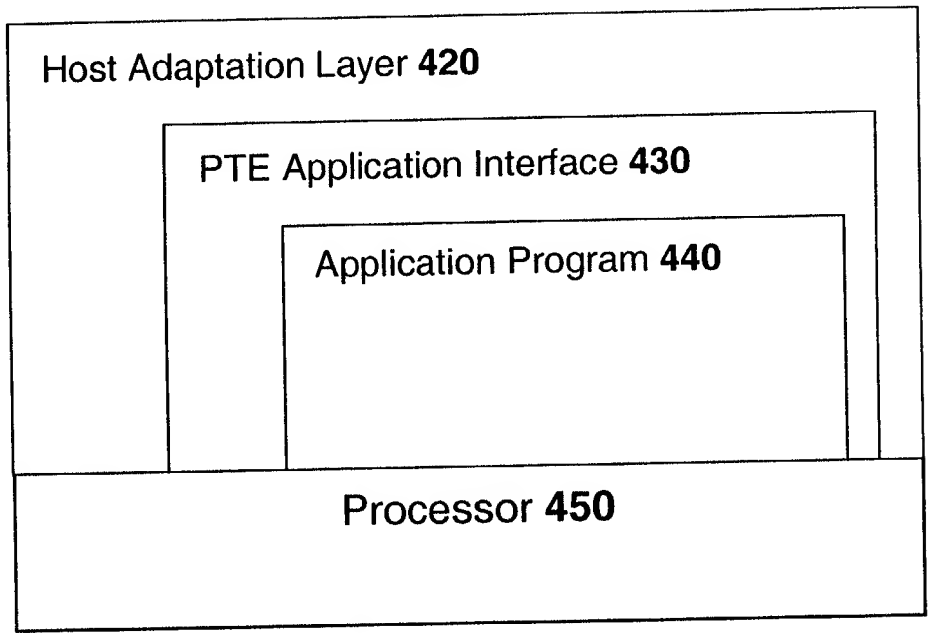

FIG. 4

T08050 "T9E29860

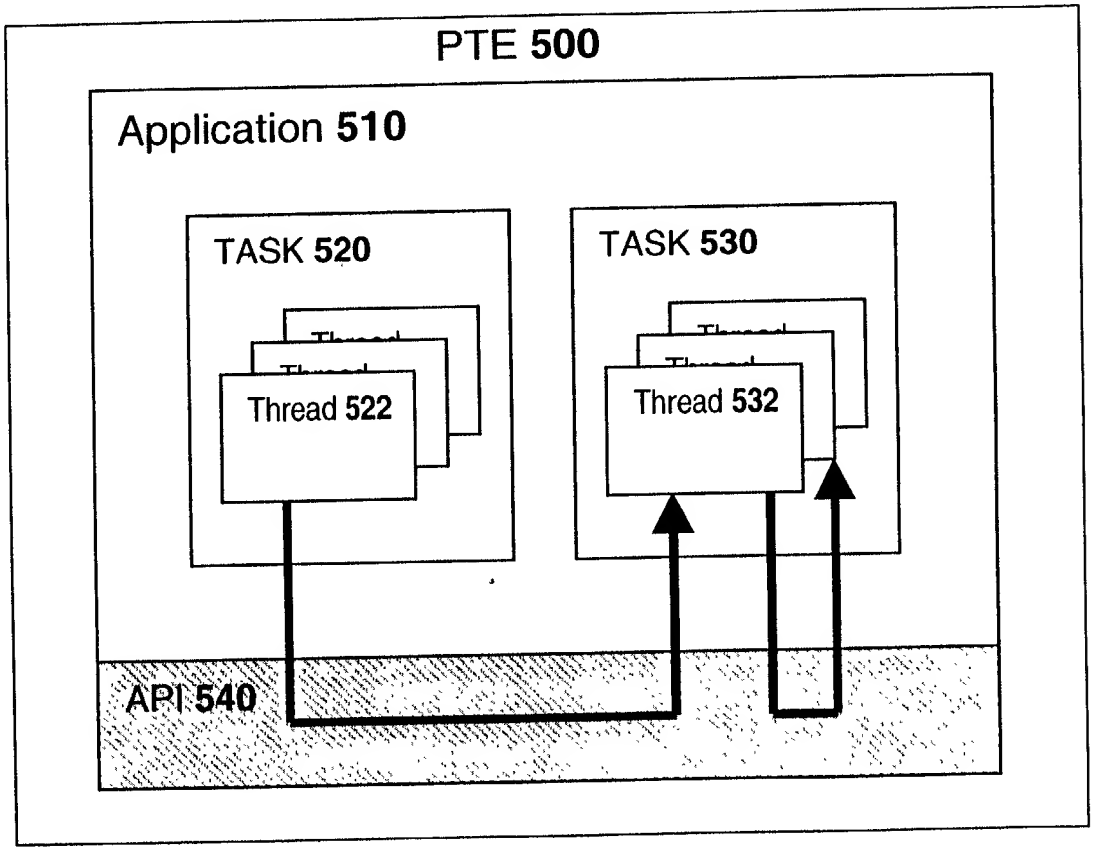

FIG. 5

TOBOSO" TSE2986O

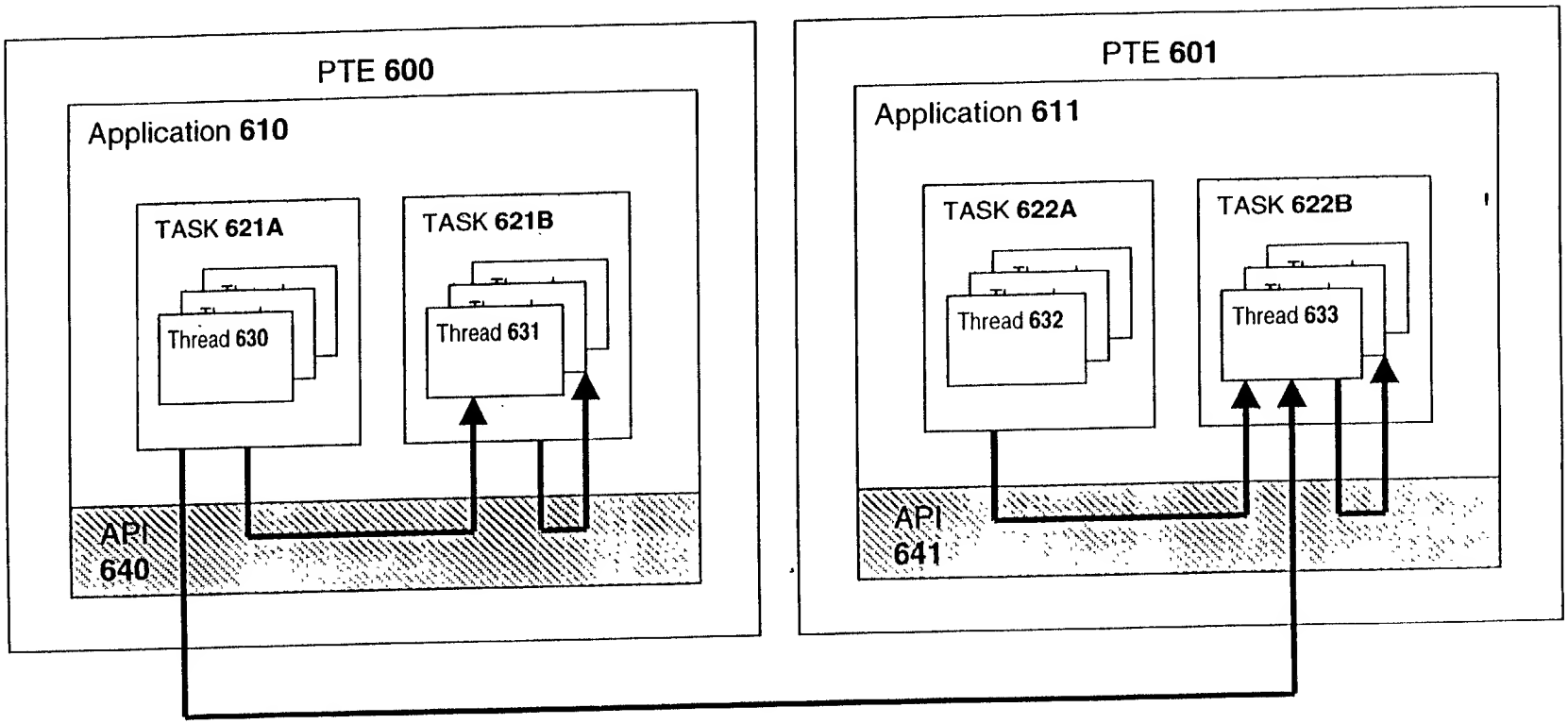

FIG. 6

TOBOSO" TSE2S8B0

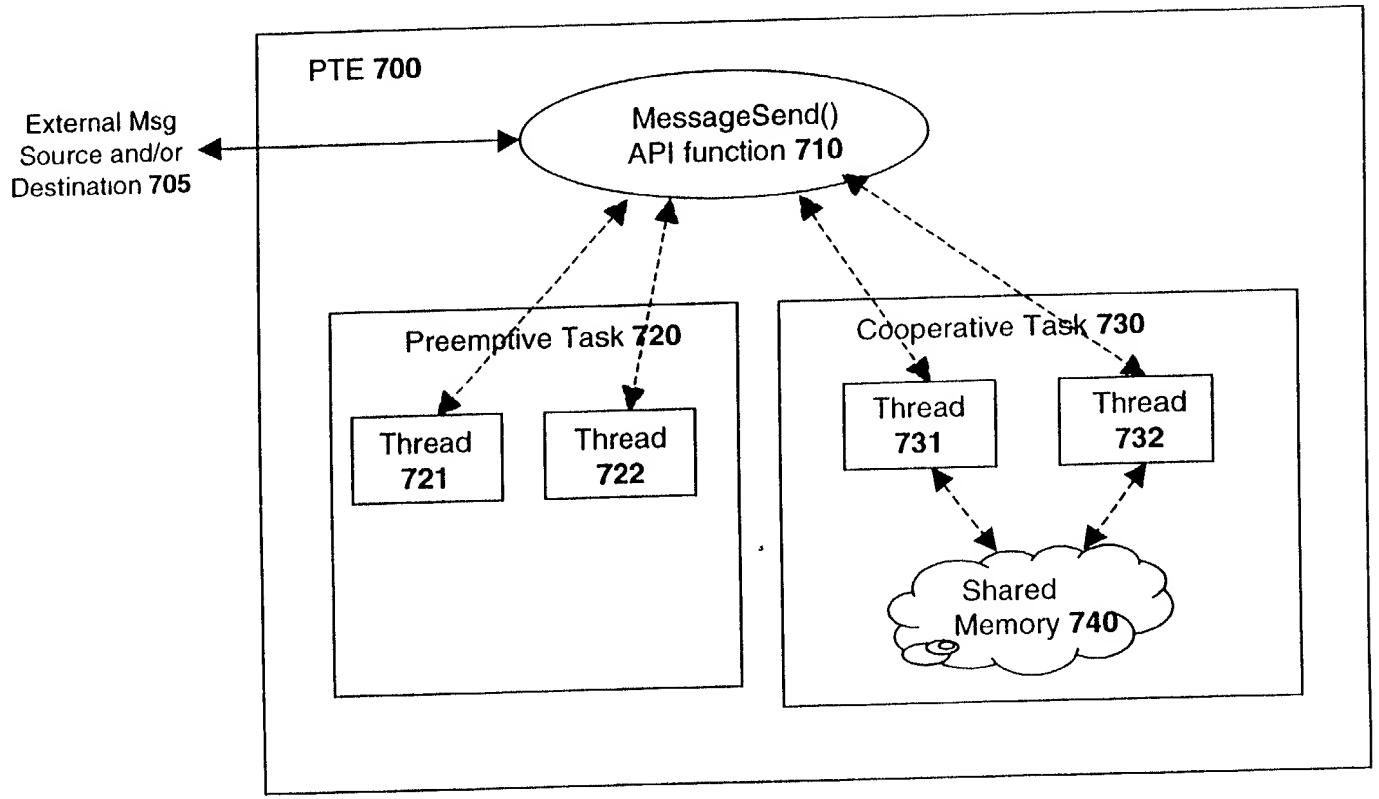

FIG. 7

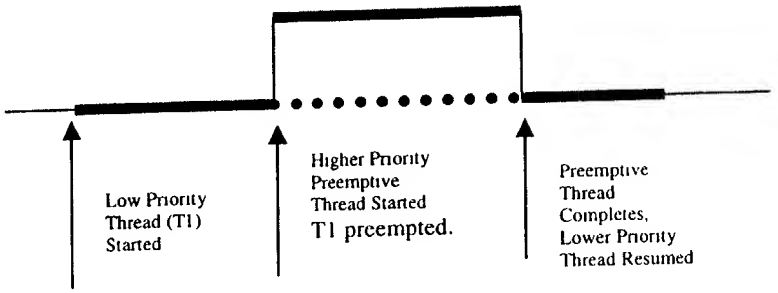
Low Priority
Thread (T1)
Started
Higher Priority
Preemptive
Thread Started
T1 preempted.
Preemptive
Thread
Completes,
Lower Priority
Thread Resumed

FIG. 8a

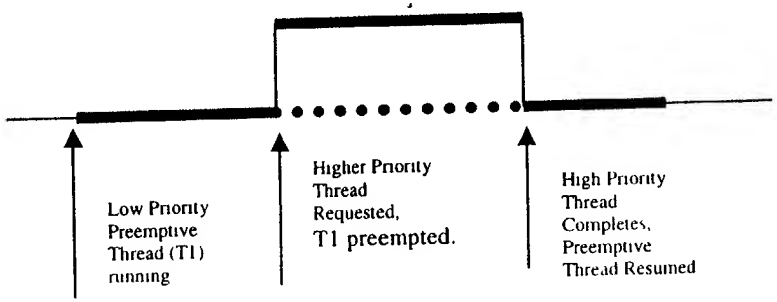
Low Priority
Preemptive
Thread (T1)
running
Higher Priority
Thread
Requested,
T1 preempted.
High Priority
Thread
Completes,
Preemptive
Thread Resumed

FIG. 8b

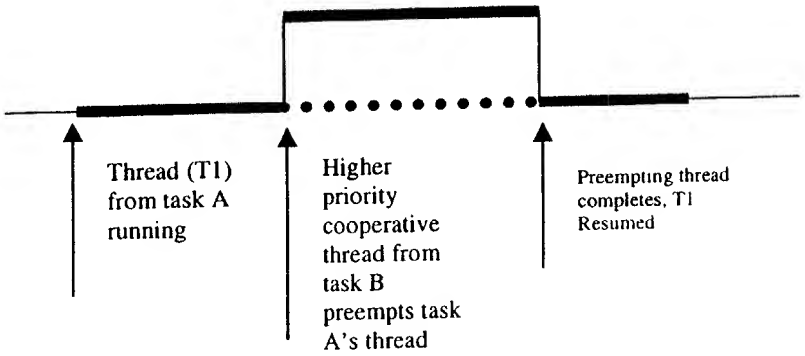
Thread (T1) from task A running
Higher priority cooperative thread from task B preempts task A's thread
Preempting thread completes, T1 Resumed

FIG. 8c

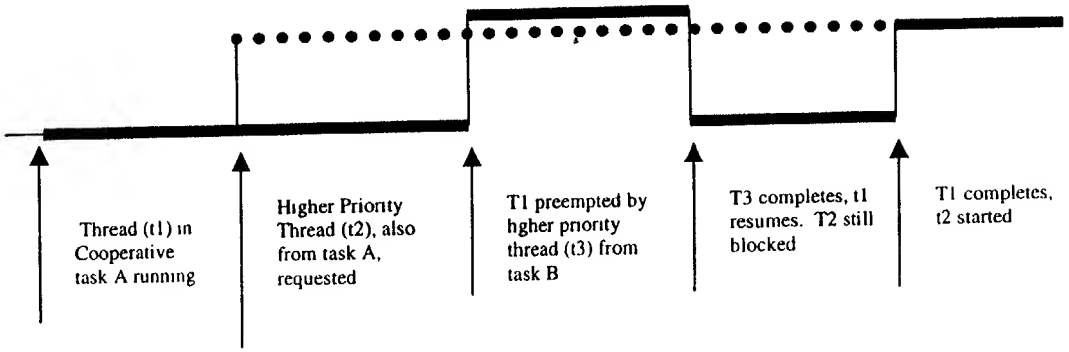
Thread (t1) in Cooperative task A running
Higher Priority Thread (t2), also from task A, requested
T1 preempted by hgher priority thread (t3) from task B
T3 completes, t1 resumes. T2 still blocked
T1 completes, t2 started

FIG. 8d

DOCKET NO. 1525.1

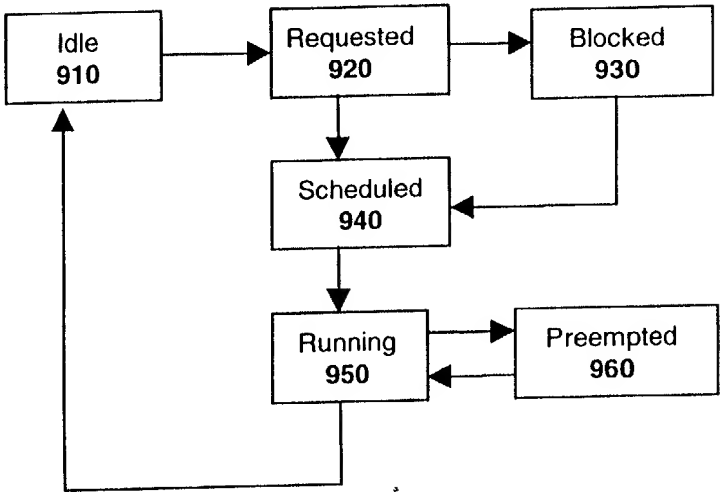

FIG. 9

TOSHIBA TSE25860

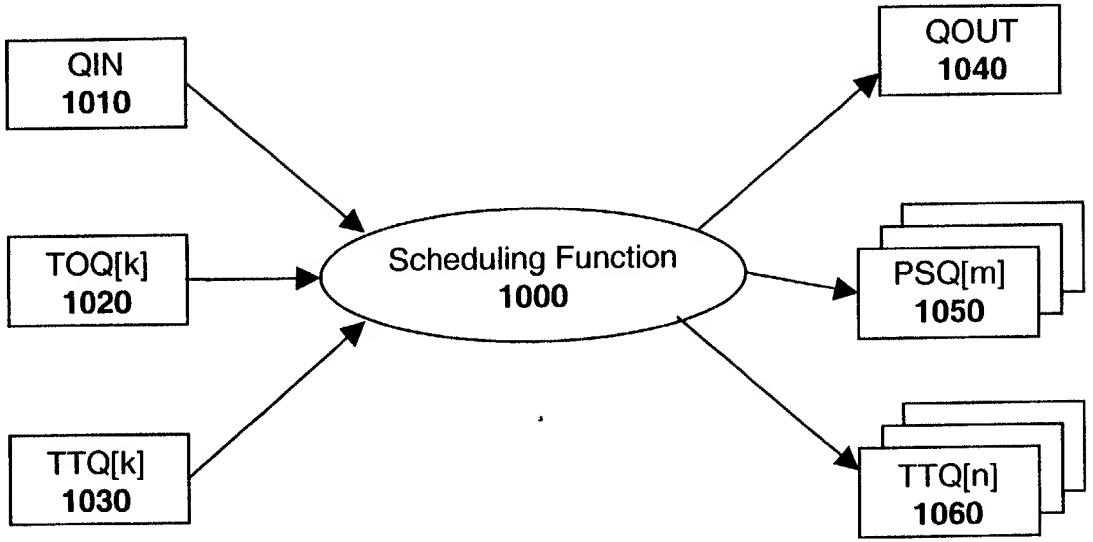

FIG. 10

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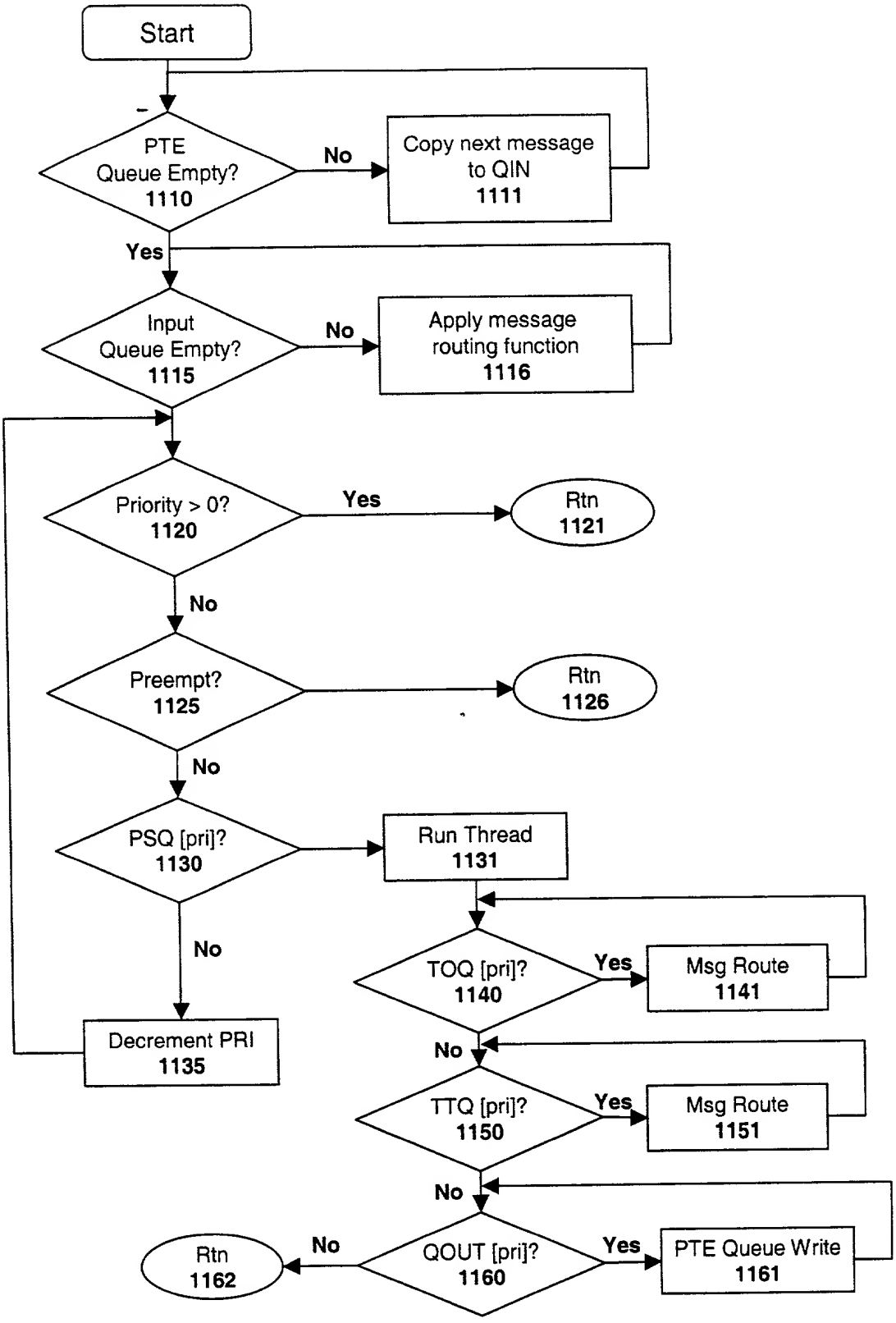

FIG. 11

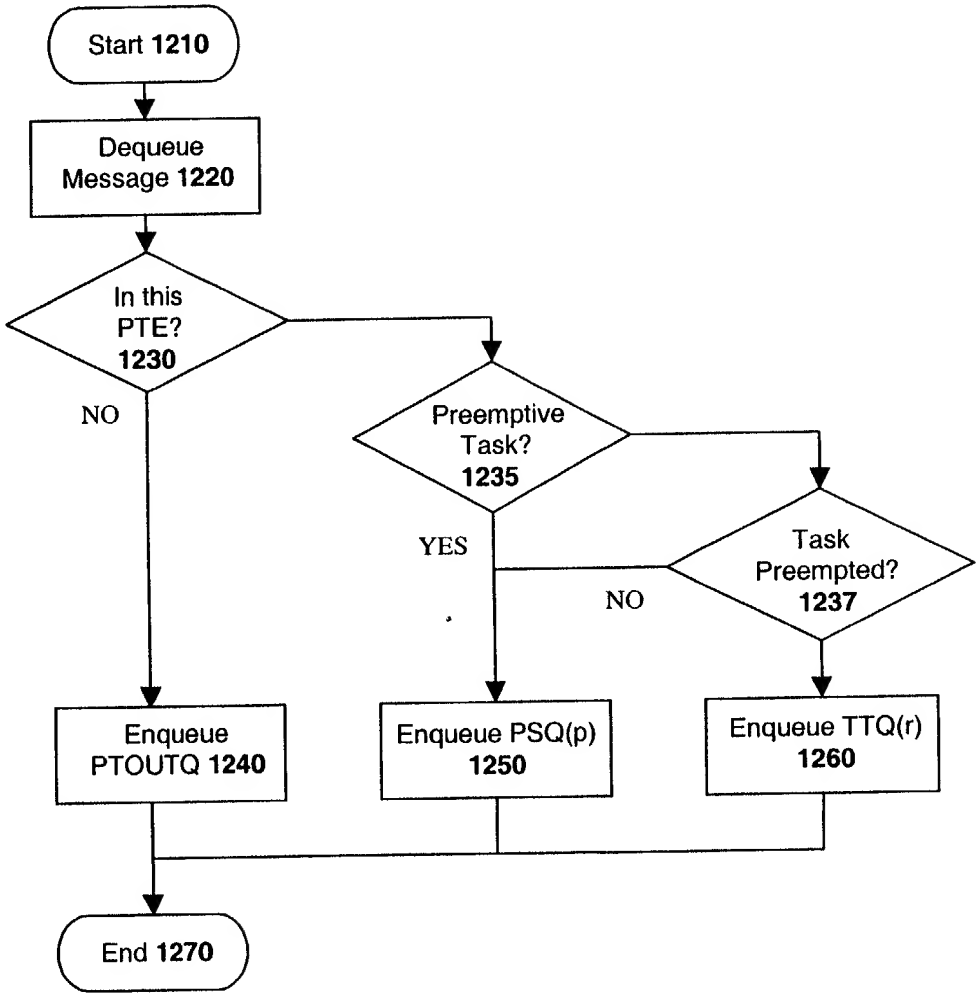
Start 1210
Dequeue Message 1220
In this PTE? 1230
NO
Preemptive Task? 1235
YES
Task Preempted? 1237
NO
Enqueue PTOUTQ 1240
Enqueue PSQ(p) 1250
Enqueue TTQ(r) 1260
End 1270

FIG. 12

Thread Attribute Table	
Thread[n]	*Task ID*
	Thread ID
	Thread Priority {0-MaxPriority}
	Task Type {preemptive|cooperative}

FIG 13a

Task Status Table	
Task[m]	**Status**
0	*Status {Idle|0...MaxPriority}*
1	"
"	"
M	"

FIG 13b

Preempted Task Table	
Priority Level	**Status**
0	*Status {Idle|In-use}*
1	"
"	"
Max-Priority	"

FIG 13c

T0805D" T5E25860

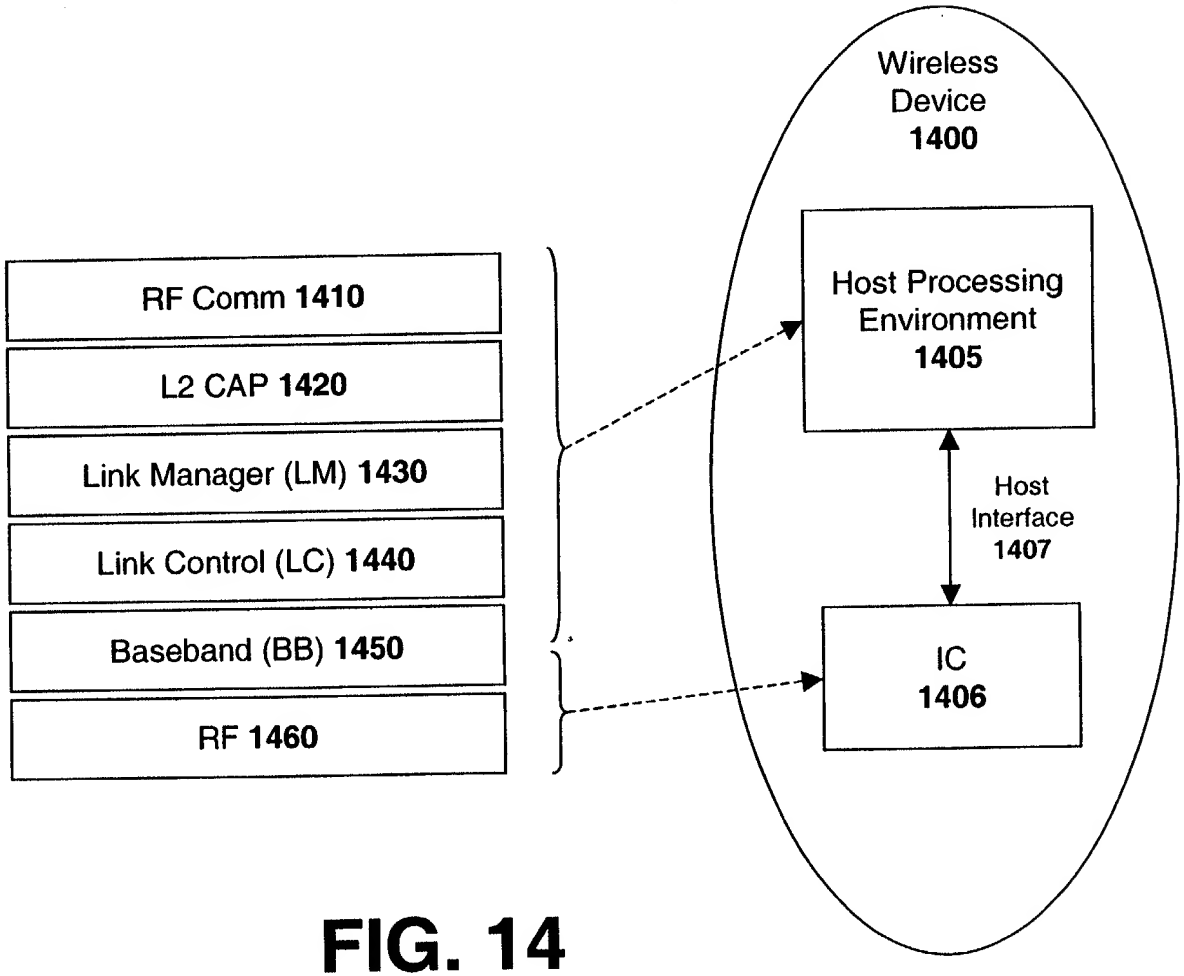

FIG. 14